—Standard Valves—

4104-D, -E AND -G VALVES

TRIODES.

4104-D, -E, -G valves have similar characteristics.

4104-E valve has a filament designed to reduce sputter noise.

4104-G valve is similar to 4104-E but has anode lead brought out through the stem to increase the grid–anode insulation.

SPECIFICATION.

Cathode.

Oxide coated filament.

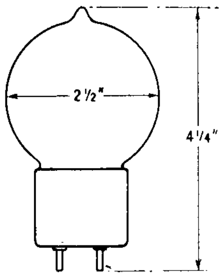
Constant current type.

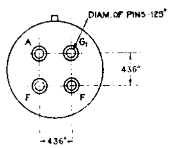
Base.

Medium 4-pin bayonet thrust.

Dimensions.

Overall length	$4\frac{1}{4}''$ (10·8 cms.)
Bulb diameter	$2\frac{1}{2}''$ (6·4 cms.)
Net weight	0·14 lbs. (65 gms.)





Constants.

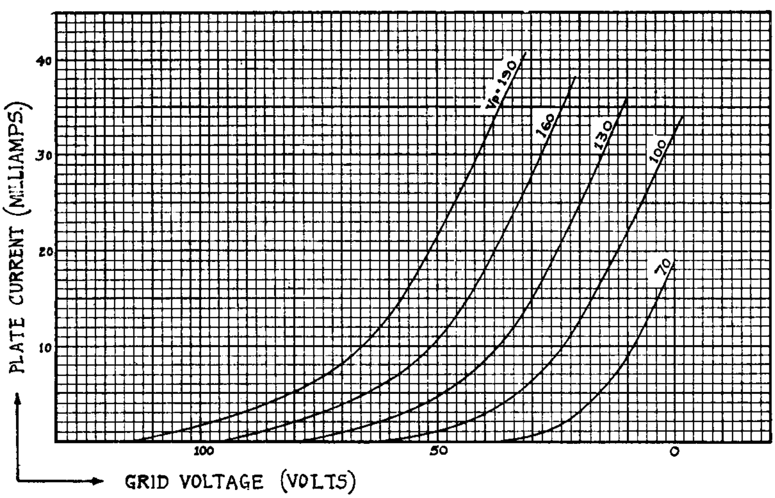
Filament current	0·97 amps.
Nominal filament voltage	4·4 volts
Maximum steady anode voltage	160 volts
Maximum continuous anode dissipation	5 watts
*Impedance	2,000 ohms
*Amplification factor	2·3
*Mutual conductance	1·15 mA. per volt
Grid–anode capacity	5·9 $\mu\mu$F.
Anode–filament capacity	3·7 $\mu\mu$F.
Grid–filament capacity	5·2 $\mu\mu$F.

* *at anode current of* 20 *mA.*

—Standard Valves—

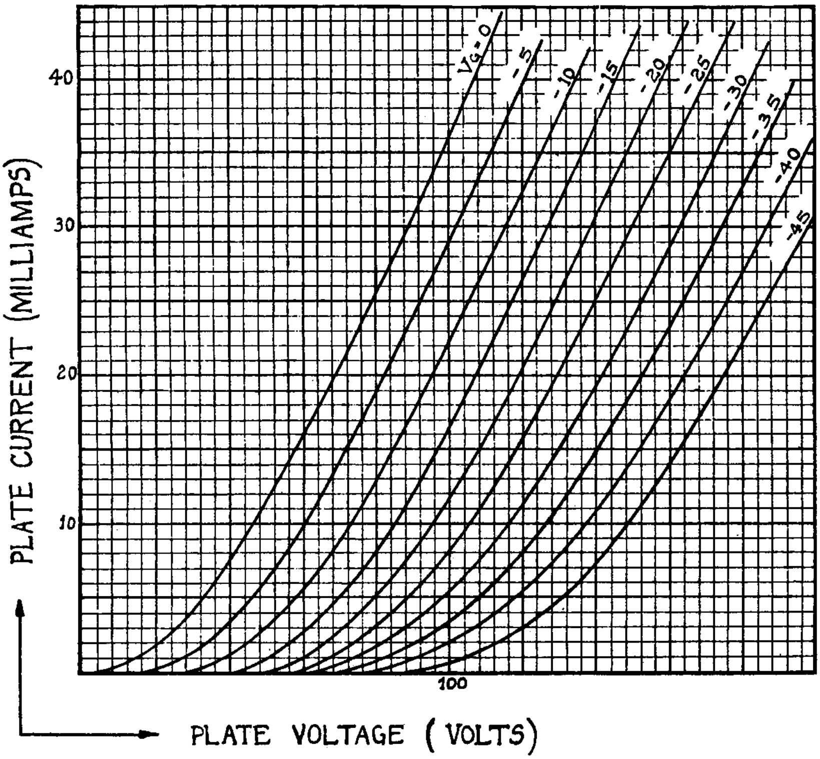
TYPICAL OPERATING CONDITIONS.

Anode voltage volts	Grid bias volts	Anode current mA.	Anode resistance ohms	Load impedance ohms	Output watts	2nd Harmonic db below fundamental
130	—15	31·3	1,900	1,900 3,800 5,700	·090 ·078 ·065	27·6 28·4 26·6
130	—20	25·2	2,000	2,000 4,000 6,000	·135 ·126 ·103	25 28·2 28·4
130	—25	20·5	2,100	2,100 4,200 6,300	·190 ·167 ·145	25·6 28·2 30
160	—25	35	1,900	1,900 3,800 5,700	·230 ·177 ·170	27·8 31·4 33·2
160	—30	29	1,900	1,900 3,800 5,700	·300 ·284 ·236	26·2 27·2 30·2



PRINTED IN ENGLAND

—Standard Valves—



PRINTED IN
ENGLAND